

10/03/13 - Homework:

- 2.3 day 2 - p. 98-100 (30-50 evens, 56-58, 75-80)

Solve each equation. Choose the method you prefer to use. Check your answer.



$$30. \frac{b}{13} - \frac{3b}{13} = \frac{8}{13}$$

$$31. 5y - \frac{3}{5} = \frac{4}{5}$$

$$32. \frac{n}{5} - \frac{3n}{10} = \frac{1}{5}$$

$$33. \frac{2}{3} + \frac{3m}{5} = \frac{31}{15}$$

$$34. \frac{n}{2} - \frac{2n}{16} = \frac{3}{8}$$

$$35. \frac{b}{3} + \frac{1}{8} = 19$$

$$36. \frac{1}{4} + \frac{4x}{5} = \frac{11}{20}$$

$$37. \frac{11z}{16} + \frac{7z}{8} = \frac{5}{16}$$

$$38. \frac{x}{3} - \frac{7x}{12} = \frac{2}{3}$$

Solve each equation. Check your answer.



$$39. 1.06g - 3 = 0.71$$

$$40. 0.11k + 1.5 = 2.49$$

$$41. 1.025v + 2.458 = 7.583$$

$$42. 1.12 + 1.25g = 8.62$$

$$43. 25.24 = 5g + 3.89$$

$$44. 0.25n + 0.1n = 9.8$$

Solve each equation.

$$45. 6 + \frac{v}{-8} = \frac{4}{7}$$

$$46. \frac{2}{3}(c - 18) = 7$$

$$47. 3d + d - 7 = \frac{25}{4}$$

$$48. 0.25(d - 12) = 4$$

$$49. 8n - (2n - 3) = 12$$

$$50. \frac{2}{3} + n + 6 = \frac{3}{4}$$

- 56. Error Analysis** Describe and correct the error in solving the equation at the right.
- 57. Reasoning** Suppose you want to solve $-4m + 5 + 6m = -3$. What would you do as your first step? Explain.
- 58. Writing** Describe two ways in which you can solve $-\frac{1}{2}(5x - 9) = 17$.
- 59. Bowling** Three friends go bowling. The cost per person per game is \$5.30. The cost to rent shoes is \$2.50 per person. Their total cost is \$55.20. How many games did they play?

$$\begin{array}{r} \frac{3x}{8} - 1 = \frac{5}{8} \\ 8\left(\frac{3x}{8} - 1\right) = 8\left(\frac{5}{8}\right) \\ 3x - 1 = 5 \\ 3x = 6 \\ x = 2 \end{array}$$

Name the property that each statement illustrates.

$$75. 4 + (-4) = 0$$

$$76. (5 \cdot 6) \cdot 2 = 5 \cdot (6 \cdot 2)$$

$$77. 7 \cdot 0 = 0$$

Get Ready! To prepare for Lesson 2-4, do Exercises 78-80.

Simplify each expression.

$$78. 7y - 4y$$

$$79. 4y - 7y$$

$$80. 7y - 7y$$